TTAG NEWSLETTER - MARCH 2023

TTAG Announcements

RECRUITING VOLUNTEERS FOR TECH TREK 2023

Interviews

Who: Tech Trek Alumnae, Tech Trek parents (2022 preferred)
When: Saturday March 18 from 10 AM-4 PM & Sunday March 19 from 10 AM-2:30 PM
Where: Junior League Headquarters - 2226 Fillmore, San Francisco
What: to assist in interviewing 7th grade Tech Trek applicants and their parents, and assist with parents' questions.
Contact: kelly.wysinger@sbcglobal.net

Camp Counselors

Who: Tech Trek Alumnae 16yo +
When: June and July 2023, depending on camp site
Where: residential camp or virtual camp
What: stipend available for virtual camp
Apply: techtrek@aauw-ca.org or Instructions to Apply to Volunteer at Tech Trek (aauw-ca.org)

EVENT: Essay Writing Workshop
When: Sunday, May 7 at 2:00 PM

Who: 10 and 11th grade TTAG students (particularly 11th graders)
Where: online (link for registration coming soon)
What: A workshop filled with tips and constructive advice, especially geared to 11th graders so they can start reflecting and working on their college application essays during the Summer, taking the time to develop ideas and writing skills.

TTAG SUMMER INTERNSHIP

Who: 9th graders and up aspiring to do an internship: start building your resume now while helping TTAG to grow!
When: Summer 2023
Where: Remote
What: you will help with TTAG web content, membership, programming, flyer design, STEM opportunity research
Apply: email a cover letter expressing your interest to: rpcvalle@gmail.com

STEM Activities & Opportunities

EXTRA-CURRICULAR ACTIVITY: Million Girls Moonshot Flight Crew
When: For eight months during 2023
Who: Middle School and High School students
Where: To be announced per location
What: Girls interested in STEM to become moonshot flight crew members! Moonshot members will participate in youth development and public speaking to experience STEM activities with other girls meanwhile breaking down stereotypes and encouraging their peers.
Extra Info: [Million Girls Flight Crew](#)
Selected students are eligible for a $1,000 stipend

Mission Bit FREE Coding Classes
When: February to May, 2023
Where: In-Person (varies)
Who: High School Students Interested in Coding
What: Free coding classes on interesting topics like web design and game development. Perfect for anyone looking to get into coding! Highly recommend it!
Extra Info: Accepting students on a rolling basis, check [website](#) for more info.

STEM SUMMER PROGRAMS & INTERNSHIPS

AAU**W**
San Francisco Inc. (CA) Branch

March 2023

TEEN RESEARCH PROGRAM

What: Learn about a range of STEM and STEM-related careers and career pathways while interacting with college and graduate students, and working scientists. All grade 10-12 programs are either residential or have the option for a residential add-on.

Grades 7-9: Coding and Engineering Nanosatellites - Designing and Engineering Bridges - Body Systems and Biomedical Innovations

Grades 10-12: Bioinspired Design - Biotech Genetics - Science of Social Media and Attitudes - Forest Ecology (at Sagehen Creek Field Station, Truckee National Forest) Marine Biology (at Bodega Bay Marine Lab) - Artificial Intelligence--AI4All

Who: Students entering grades 7 – 12

When: Varies by program

Where: Varies by program (UC Berkeley campus and at UC field stations and labs)

Financial Aid application deadline: March 5 (full or partial scholarships)

Info: [Teen Research Programs – The Lawrence Hall of Science](#)

NASA's GeneLab for High Schools (GL4HS) Summer Program

When: 4 weeks Summer 2023: Program Dates: July 17 – Aug. 11

Who: Upcoming junior/senior high school students and high school STEM educators

Where: To be announced per location

What: virtual four-week training program sponsored by NASA's Ames Research Center. GL4HS immerses students in space life sciences with a specific focus on computational biology and omics-based bioinformatics research, the science of collecting and analyzing complex biological data such as genetic codes.

Apply by: Monday, March 20 - [Application link](#)

Info: [GeneLab for High Schools (GL4HS)](#)

Contact: arc-gl4hs@mail.nasa.gov

Berkeley Lab DIrector's Apprenticeship Program and Experiences in Research (EinR) Program

What: Interested in a hands-on learning experience at Berkeley Lab? Both programs are paid work-based opportunities. Students must live and attend schools in Northern California to participate.

When: Summer 2023, in-person and online activities

Information Workshops: [Saturday, March 11, 10:00 am](#) and [Tuesday, March 28, 6:30 pm (EinR Application Workshop only)](#)

Apply: [Berkeley Lab Director's Apprenticeship Program (BLDAP)](#) and [Experiences in Research (EinR)](#)

Girls in Engineering Program (GiE)

What: a week of exciting hands-on activities, design challenges, and behind-the-scenes lab tours. Led by UC Berkeley staff and researchers, GiE introduces participants to the many facets of engineering, design thinking, and real-world problem solving in a safe, supportive, and inclusive environment. GiE is the College of Engineering's signature outreach program working to increase access to and diversity in engineering and STEM fields. GiE is an immersive, hands-on experience led by UCB faculty, staff, and researchers.

Who: ==rising 6th, 7th, and 8th graders,== of any gender identity, in the SF Bay Area

When: one week in they Summer

Info: Girls in Engineering

Deadline: March 31, 2023 - Apply today

Scholarships: actively recruiting students from underrepresented and underserved communities, GiE offers full and partial scholarships at: See Scholarship tab by following Camp > Be A Camper > Application Process

---

Headwaters Research Experience

What: a program for students looking to take their science education to the next level and bolster a college resume, participants design and create an original research project while being mentored by a professional scientist. Students see through the project from conception to publication by conducting field research (or compiling pre-existing available datasets) and learning how to analyze their findings. Students complete the program with a finalized research presentation and a formal research paper that will be submitted for publication.

Who: HS students

When: 6/13/2023 to 8/01/2023

Info: Headwaters Research Experience

Apply: Financial aid application due dates: Summer: 5/13/2023

Careers in Science (CiS) Program

What: California Academy of Science internship program

Who :applicants must be currently enrolled full time as a 9th or 10th grade student in an SFUSD school

When: Afterschool and weekends - Multi-year, year-round participation

Where: California Academy of Science, San Francisco

Info: Careers in Science (CiS

Apply: by April 3, 2023 at 11:59 PM - Learn more and apply today!

Girls Who Code Summer Program

What: Learn to code and get the skills, network, and lifelong college and career support you need to change the world, hosted by industry-leading companies like MetLife, Bank of America, and Accenture
Who: current 9th-11th girls and non-binary students are welcome to apply, including past participants!
When: two free virtual programs of 6 weeks each
Info: Girls Who Code
Apply at: girlswhocode.com/summerapply by March 24

SAGE Summer Camp
What: FREE STEM camp catered to high school students of underrepresented genders (women, trans, nonbinary, etc) hosted by 3 CA-based Dept of Energy National Laboratories focusing on astronomy, physics, and technological innovations
Who: Northern California 9 - 11th grade students

When: visit program's website for SAGE camps happening in Northern California (on different dates, different formats: in-person, virtual, hybrid, one-week, two-weeks, day-camp, residential/overnight)
Info: https://mysagejourney.org/summer-camps.
Apply by: March 15, 2023

ROAR ACADEMY
What: a rigorous, intense two-week summer program designed for advanced high school students who have demonstrated an aptitude for academic and professional careers in STEM subjects.
Who: advanced students living in California entering 10th, 11th, or 12th grade in Fall 2023
When: 2 weeks
Info: ROAR Academy
Apply: March 24, 2023 - Applications are reviewed as they are received, so you are encouraged to submit your completed application as soon as possible. Admissions decisions are made on a rolling basis. Financial aid: For families who demonstrate financial need, the ROAR Academy awards full scholarships, and you do not need to submit an additional scholarship application.

UCSF Science & Health Education Partnership (SEP)
What: a fantastic PAID opportunity to explore cellular engineering. Participants explore cellular engineering by building robots to mimic cell behavior and use cellular engineering techniques to solve real-world problems. STEM teacher participants receive curriculum to use in their classrooms.

Who: Sophomores or juniors in the following school districts are eligible: San Francisco Unified School District, South San Francisco Unified School District, Jefferson Union High School District, Oakland Unified School District, Hayward Unified School District, or West Contra Costa Unified School District, AND STEM teachers!
When: 10-day workshop
Info: UCSF Science & Health Education Partnership (SEP)
Apply: by March 19th

Exploratorium High School Explainers

What: Paid opportunity through the Exploratorium, help engage visitors during visits, perform demonstrations and more
Where: Exploratorium
Website: https://explainers.exploratorium.edu/highschool/
Apply: Applications will be made available here when there are openings
Age: 15-18 year old high school sophomores, juniors and seniors

The Lawrence Hall of Science Teen Volunteer Program

What: Are you passionate about science and education? Share your enthusiasm for science and spark the imagination of families and schoolchildren through this teen volunteer program! Volunteering at The Lawrence not only is a great way to fulfill community service requirements, but it also provides teens with the opportunity to develop job skills. At The Lawrence, volunteers find a safe way and congenial place to socialize with other youths, while they enjoy the benefits of experiencing a work-related environment with professional staff, UC Berkeley college students, and teens from all around the Bay Area.
Who: 9th graders and above
When: June 6th-September 4th
Apply: March 4th - Learn more and apply.100 spots ONLY
Info: https://lawrencehallofscience.org/support/volunteer-teen/

Opportunities for All 2023

When: Summer 2023
Where: Online/In Person
What: Paid summer internships
Website: **https://www.opps4allsf.org/**
Apply: Applications open February 15 2023 - **HOW TO APPLY FOR AN INTERNSHIP — Opps4AllSF.org**

STEM SCHOLARSHIPS

SCHOLARSHIP: Cameron Impact
Who: Current High School juniors (Class of 2024)
What: Merit based four year full tuition scholarship
When: Early deadline: May 19, 2023 @ noon PST, Regular deadline: September 8, 2023 @ noon PST
Info: **https://www.bryancameroneducationfoundation.org/scholarship**

SCHOLARSHIP: Society of Women Engineers
What: The freshman application (for incoming freshman students) for the 2023-2024 academic year
When: opens on February 1, 2023 and closes March 20, 2023
Apply: Scholarships - Society of Women Engineers (swe.org)

IF YOU MISSED PRIOR TTAG EVENTS

If you missed the **Financial Aid Workshop** on January 26, 2023 and would like a copy of the presentation slides, please contact us at: rpcvalle@gmail.com.

CONTACT US

It's our goal to bring you workshops, camps, extra-curricular activities, internships, and other exciting opportunities in STEM. Please do not hesitate to contact us if you would like to share with your TTAG community any cool STEM Ed event taking place at your high school. Want to share info and opportunities or give us feedback?
Please contact us at: rpcvalle@gmail.com